



PCT

RAW SEQUENCE LISTING

DATE: 10/12/2004

PATENT APPLICATION: US/10/510,088

TIME: 12:03:20

Input Set : A:\pto.lm.txt

Output Set: N:\CRF4\10122004\J510088.raw

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3 <110> APPLICANT: Katunuma, Nobuhiko
4     Yamada, Akio
5     Kawaguchi, Yasushi
6     Takakura, Natsuko
8 <120> TITLE OF INVENTION: Cysteine Protease Inhibitor
10 <130> FILE REFERENCE: TOYA108.006APC
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/510,088
C--> 13 <141> CURRENT FILING DATE: 2004-10-04
15 <150> PRIOR APPLICATION NUMBER: PCT/JP2003/14263
16 <151> PRIOR FILING DATE: 2003-11-10
18 <150> PRIOR APPLICATION NUMBER: JP 2002/347801
19 <151> PRIOR FILING DATE: 2002-11-29
21 <150> PRIOR APPLICATION NUMBER: JP 2003/147035
22 <151> PRIOR FILING DATE: 2003-05-23
24 <160> NUMBER OF SEQ ID NOS: 2
26 <170> SOFTWARE: PatentIn Ver. 2.1
29 <210> SEQ ID NO: 1
30 <211> LENGTH: 226
31 <212> TYPE: PRT
32 <213> ORGANISM: Homo Sapiens
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35 <221> NAME/KEY: sig_peptide
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37 <223> OTHER INFORMATION: casein
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43 Glu Thr Ile Glu Ser Leu Ser Ser Ser Glu Glu Ser Ile Thr Glu Tyr
44           20           25           30
46 Lys Gln Lys Val Glu Lys Val Lys His Glu Asp Gln Gln Gln Gly Glu
47           35           40           45
49 Asp Glu His Gln Asp Lys Ile Tyr Pro Ser Phe Gln Pro Gln Pro Leu
50           50           55           60
52 Ile Tyr Pro Phe Val Glu Pro Ile Pro Tyr Gly Phe Leu Pro Gln Asn
53 65           70           75           80
55 Ile Leu Pro Leu Ala Gln Pro Ala Val Val Leu Pro Val Pro Gln Pro
56           85           90           95
58 Glu Ile Met Glu Val Pro Lys Ala Lys Asp Thr Val Tyr Thr Lys Gly
59           100          105          110
61 Arg Val Met Pro Val Leu Lys Ser Pro Thr Ile Pro Phe Phe Asp Pro
62           115          120          125
64 Gln Ile Pro Lys Leu Thr Asp Leu Glu Asn Leu His Leu Pro Leu Pro
65           130          135          140

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67 Leu Leu Gln Pro Leu Met Gln Gln Val Pro Gln Pro Ile Pro Gln Thr
68 145          150          155          160
70 Leu Ala Leu Pro Pro Gln Pro Leu Trp Ser Val Pro Gln Pro Lys Val
71          165          170          175
73 Leu Pro Ile Pro Gln Gln Val Val Pro Tyr Pro Gln Arg Ala Val Pro
74          180          185          190
76 Val Gln Ala Leu Leu Leu Asn Gln Glu Leu Leu Leu Asn Pro Thr His
77          195          200          205
79 Gln Ile Tyr Pro Val Thr Gln Pro Leu Ala Pro Val His Asn Pro Ile
80          210          215          220
82 Ser Val
83 225
86 <210> SEQ ID NO: 2
87 <211> LENGTH: 224
88 <212> TYPE: PRT
89 <213> ORGANISM: Bos taurus
91 <220> FEATURE:
92 <221> NAME/KEY: sig_peptide
93 <222> LOCATION: (1)Oc(15)
94 <223> OTHER INFORMATION: casein
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97 Met Lys Val Leu Ile Leu Ala Cys Leu Val Ala Leu Ala Leu Ala Arg
98 1          5          10          15
100 Glu Leu Glu Glu Leu Asn Val Pro Gly Glu Ile Val Glu Ser Leu Ser
101          20          25          30
103 Ser Ser Glu Glu Ser Ile Thr Arg Ile Asn Lys Lys Ile Glu Lys Phe
104          35          40          45
106 Gln Ser Glu Glu Gln Gln Gln Thr Glu Asp Glu Leu Gln Asp Lys Ile
107          50          55          60
109 His Pro Phe Ala Gln Thr Gln Ser Leu Val Tyr Pro Phe Pro Gly Pro
110 65          70          75          80
112 Ile Pro Asn Ser Leu Pro Gln Asn Ile Pro Pro Leu Thr Gln Thr Pro
113          85          90          95
115 Val Val Val Pro Pro Phe Leu Gln Pro Glu Val Met Gly Val Ser Lys
116          100          105          110
118 Val Lys Glu Ala Met Ala Pro Lys His Lys Glu Met Pro Phe Pro Lys
119          115          120          125
121 Tyr Pro Val Glu Pro Phe Thr Glu Ser Gln Ser Leu Thr Leu Thr Asp
122          130          135          140
124 Val Glu Asn Leu His Leu Pro Leu Pro Leu Leu Gln Ser Trp Met His
125 145          150          155          160
127 Gln Pro His Gln Pro Leu Pro Pro Thr Val Met Phe Pro Pro Gln Ser
128          165          170          175
130 Val Leu Ser Leu Ser Gln Ser Lys Val Leu Pro Val Pro Gln Lys Ala
131          180          185          190
133 Val Pro Tyr Pro Gln Arg Asp Met Pro Ile Gln Ala Phe Leu Leu Tyr
134          195          200          205
136 Gln Glu Pro Val Leu Gly Pro Val Arg Gly Pro Phe Pro Ile Ile Val
137          210          215          220

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VERIFICATION SUMMARY

DATE: 10/12/2004

PATENT APPLICATION: US/10/510,088

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Input Set : A:\pto.lm.txt

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L:12 M:270 C: Current Application Number differs, Replaced Application Number

L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date